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DYNAMICS OF PLAYA LAKES IN
THE TEXAS HIGH PLAINS

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30 November, 1973
Type I Progress Report for
Period October 1-November 30, 1973

Prepared for
GODDARD SPACE FLIGHT CENTER
Greenbelt, Maryland 20771

TYPE I PROGRESS REPORT - NOVEMBER 30, 1973

- A) Title - DYNAMICS OF PLAYA LAKES IN THE TEXAS HIGH PLAINS (342-C)
- B) P.I. Identification Number - UN 168
- C) Problems - The computer program for use of the CCT data has not been working satisfactorily. Problem is apparently in the local facilities IBM tape drive.
- D) Accomplishments - During this report period the Principal Investigator attended the Symposium on "Machine Processing of Remotely Sensed Data" at LARS, Lafayette, Indiana, presented a review of the project to the panel at GSFC, and attended the Symposium on "Remote Sensing Applications of Arid Land Resources and Environment" at Tucson, Arizona.
- The weather station at Double Lakes test site was dismantled as monitoring ceased September 1, 1973. During the period September 24-28, the Principal Investigator traveled to Stanford Research Institute where all ERTS-1 scenes on hand were registered on the ESIAC (Electronic Satellite Image Analysis Console) for measurement of the water areas and mud areas of the test site playas. A 16 mm time-lapse movie was made by SRI of the scenes illustrating the water fluctuations of the test playas.

Planned for Next Reporting Period

All weather records are now being extracted from recorded charts and field notes. Specific precipitation events will be documented and possible correlations to lake levels will be investigated.

The assembling of all data will begin in preparation for composition of the final report.

E) Conference Attended - The principal investigator presented to the Earth Resources Discipline Panel on Water Resources, on October 26, the progress and accomplishments (to date) of this contract.

The principal investigator attended the Symposium on "Machine Processing of Remotely Sensed Data", Lafayette, Indiana, October 16-20 and was Chairman of the Land Use session of the 4th Annual Conference on "Remote Sensing Applications in the Arid Lands", Tucson, arizona, November 13-16.

F) NA

G) NA

H) NA

I) NA

J) NA